

Application No. 09/515,158
Amendment dated October 13, 2004
Reply to Office Action dated July 19, 2004

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

- 1 1. (Currently Amended) A method for sizing the hardware resources for a yet-to-be
- 2 built database management system, wherein said hardware resources include a number of
- 3 processors, the method comprising the steps of:
- 4 providing one or more desired hardware utilization limits for the yet-to-be built database
- 5 management system;
- 6 obtaining one or more throughput workload requirements for the yet-to-be built database
- 7 management system; [and]
- 8 determining the hardware resources needed for the yet-to-be built database management
- 9 system to satisfy the one or more throughput workload requirements while remaining within the
- 10 desired hardware utilization limits;
- 11 accepting user entered changes to the desired hardware utilization limits;
- 12 re-determining the hardware resources needed to remain within said desired hardware
- 13 utilization limits; and
- 14 outputting the determined hardware resources to the human user in a format to advise the
- 15 human user;
- 16 wherein the desired hardware utilization limits include a desired percent processor
- 17 utilization limit and said accepting step includes accepting changes to said desired percent

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18 processor utilization limit and said determining and re-determining steps include determining
19 said hardware resources such that said desired percent processor utilization limit is maintained
20 and includes changing said number of processors required when necessary to remain within said
21 desired processor utilization limit.

1 2. (Canceled)

1 3. (Previously Presented) A method as recited in claim 1, the method further
2 comprising the steps of:
3 obtaining selected database requirements including an expected database size; and
4 determining the hardware resources needed for the yet-to-be built database management
5 system to satisfy the selected database requirements while remaining within the desired hardware
6 utilization limits.

1 4-9. (Canceled)

1 10. (Currently Amended) A method as recited in claim [[9]] 1, wherein said desired
2 percent processor utilization limit includes an upper [[an]] utilization limit to prevent over
3 utilization of said processors and said determining and re-determining steps include determining
4 said number of processors needed to keep below said upper utilization limit to prevent over
5 utilization of said processors.

1 11. (Previously Presented) A method as recited in claim 10, wherein said
2 desired percent processor utilization limit includes a lower utilization limit to prevent under
3 utilization of said processors.

1 12. (Currently Amended) A method as recited in claim 11, wherein said determining
2 and re-determining steps include determining said number of processors needed to remain above
3 said lower utilization limit to prevent under utilization of said number of processors.

1 13. (Previously Presented) A method as recited in claim 10, wherein said
2 desired hardware utilization limits include a desired network interface card utilization limit and
3 said determining and re-determining steps include determining said hardware requirements
4 within said desired network interface card utilization limits and includes changing said number
5 of network interface cards required when necessary to remain within said network interface card
6 utilization limits.

1 14. (Previously Presented) A method as recited in claim 13, wherein said network
2 interface card utilization limit includes a lower utilization limit to prevent under utilization of
3 said network interface cards and said determining and re-determining steps include determining
4 said number of network interface cards needed to remain above said lower limit to prevent under
5 utilization of said network interface cards.

1 15. (Previously Presented) A method as recited in claim 14, wherein said
2 network interface card utilization limit includes an upper utilization limit to prevent over

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3 utilization of said network interface cards and said determining and re-determining steps include
4 determining said number of network interface cards needed to remain below said upper limit to
5 prevent over utilization of said network interface cards.

1 16. (Currently Amended) A computerized method for calculating hardware resource
2 requirements for a yet-to-be built database management system computer, wherein said hardware
3 resource requirements include a specified discrete number of hardware components, comprising
4 the steps of:
5 establishing default values for selected hardware utilization limits;
6 initializing said selected hardware utilization limits to said default values;
7 obtaining a workload requirement from said human user; [and]
8 determining said hardware resource requirements as a function of said workload
9 requirement while remaining within said selected hardware utilization limits;
10 obtaining new hardware utilization limits from said human user;
11 re-determining said hardware resource requirements while remaining within said
12 hardware utilization limits; and
13 displaying the determined hardware resource requirements in a format to advise the user
14 of the hardware resource requirements for a yet-to-be built database management system
15 computer to meet the user entered workload requirement.

1 17-18. (Canceled)

1 19. (Currently Amended) A computerized method as recited in claim [18] 16,
2 wherein said determining and re-determining steps include determining said specified
3 number of hardware components.

1 20. (Canceled)